

Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

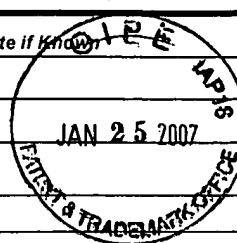
## FEE TRANSMITTAL for FY 2006

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 180.00

Complete if known

Application Number 10/601,084  
Filing Date 6/20/2003  
First Named Inventor Hooykaas et al.  
Examiner Name J. Duntson  
Art Unit 1636  
Attorney Docket No. 2183-6028US



### METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) : \_\_\_\_\_  
☒ Deposit Account Deposit Account Number: 20-1469 Deposit Account Name: TraskBritt, PC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) ☒ Credit any overpayments  
Under 37 CFR 1.16 and 1.17

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### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee(\$)	Fee(\$)	Small Entity Fee(\$)	Fee(\$)	Small Entity Fee(\$)	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

#### 2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
Total Claims	_____	_____
Extra Claims	_____	_____
Fee(\$)	_____	_____
Fee Paid (\$)	_____	_____
HP = highest number of total claims paid for, if greater than 20.		
Indep. Claims	_____	_____
Extra Claims	_____	_____
Fee(\$)	_____	_____
Fee Paid (\$)	_____	_____
HP = highest number of independent claims paid for, if greater than 3.		

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets \_\_\_\_\_ Extra Sheets \_\_\_\_\_ Number of each additional 50 or fraction thereof \_\_\_\_\_ Fee (\$ ) \_\_\_\_\_ Fee Paid (\$ ) \_\_\_\_\_  
\_\_\_\_\_ - 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge) : Information Disclosure Statement

Fees Paid (\$)

180.00

### SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	55,896	Telephone	801-532-1922
Name (Print/Type)	Daniel J. Morath, Ph.D.	Date	January 22, 2007		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Hooykaas et al.

Serial No.: 10/601,084

Filed: June 20, 2003

For: NUCLEIC ACID INTEGRATION IN  
EUKARYOTES

Confirmation No.: 6901

Examiner: J. Duntson

Group Art Unit: 1636

Attorney Docket No.: 2183-6028US

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

January 22, 2007  
Date

Betty Vowles  
Signature

Betty Vowles  
Name (Type/Print)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08 be considered by the Examiner and made of record. Copies of any cited foreign patents, publications, or pending unpublished U.S. applications are enclosed pursuant to 37 C.F.R. § 1.98(a)(2).

Other Documents

NAYAK et al., A Versatile and Efficient Gene-Targeting System for *Aspergillus nidulans*, Genetics, March 2006, pp. 1557-66, Vol. 172.

01/26/2007 JBALINAN 00000044 201469 10601084

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DA SILVA FERREIRA et al., The *akuB*<sup>KU80</sup> Mutant Deficient for Nonhomologous End Joining Is a Powerful Tool for Analyzing Pathogenicity in *Aspergillus fumigatus*, Eukaryotic Cell, Jan. 2006, pp. 207-11, Vol. 5, No. 1.

NINOMIYA et al., Highly efficient gene replacements in *Neurospora* strains deficient for nonhomologous end-joining, August 17, 2004, PNAS, pp. 12248-53, Vol. 101, No. 33.

KRAPPMANN et al., Gene Targeting in *Aspergillus fumigatus* by Homologous Recombination Is Facilitated in a Nonhomologous End-Joining-Deficient Genetic Background, Eukaryotic Cells, Jan. 2006, pp. 212-15, Vol. 5, No. 1.

TAKAHASHI et al., Enhanced gene targeting frequency in *ku70* and *ku80* disruption mutants as *Aspergillus sojae* and *Aspergillus oryzae*, Mol. Gen. Genomics, 2006.

This Supplemental Information Disclosure Statement is filed after the mailing date of the first Office Action on the merits.

The fee pursuant to 37 C.F.R. § 1.17(p) is authorized to be debited from TraskBritt Deposit Account 20-1469.

Respectfully submitted,



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Date: January 22, 2007

DJM/bv

Enclosures: Form PTO/SB/08

Cited Non-U.S. Patent Documents



PTO/SB/08B(10-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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**Complete if Known**

Application Number	10/601,084
Filing Date	June 20, 2003
First Named Inventor	Hooykaas et al.
Group Art Unit	1636
Examiner Name	J. Duntson
Attorney Docket Number	2183-60281JS

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		NAYAK et al., A Versatile and Efficient Gene-Targeting System for <i>Aspergillus nidulans</i> , Genetics, March 2006, pp. 1557-66, Vol. 172.	
		DA SILVA FERREIRA et al., The <i>akuB</i> <sup>KU80</sup> Mutant Deficient for Nonhomologous End Joining Is a Powerful Tool for Analyzing Pathogenicity in <i>Aspergillus fumigatus</i> , Eukaryotic Cell, Jan. 2006, pp. 207-11, Vol. 5, No. 1.	
		NINOMIYA et al., Highly efficient gene replacements in <i>Neurospora</i> strains deficient for nonhomologous end-joining, August 17, 2004, PNAS, pp. 12248-53, Vol. 101, No. 33.	
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		TAKAHASHI et al., Enhanced gene targeting frequency in <i>ku70</i> and <i>ku80</i> disruption mutants as <i>Aspergillus sojae</i> and <i>Aspergillus oryzae</i> , Mol. Gen. Genomics, 2006.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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